

|   | Type | L # | Hits  | Search Text  | DBs  |
|---|------|-----|-------|--|--|
| 1 | BRS  | L1  | 77    | breslin-m\$.in.  | US-<br>PGPUB;<br>USPAT;<br>USOCR;<br>EPO;<br>JPO;<br>DERWEN<br>T |
| 2 | BRS  | L2  | 52    | strange-a\$.in.  | US-<br>PGPUB;<br>USPAT;<br>USOCR;<br>EPO;<br>JPO;<br>DERWEN<br>T |
| 3 | BRS  | L3  | 285   | fuller-m\$.in.   | US-<br>PGPUB;<br>USPAT;<br>USOCR;<br>EPO;<br>JPO;<br>DERWEN<br>T |
| 4 | BRS  | L4  | 17216 | (remove or removing or<br>removed or removal or treat<br>or treating or treated or<br>treatment or eliminate or<br>eliminating or eliminated<br>or elimination or strip or<br>stripping or stripped or<br>stripper or clean or clean<br>or cleaning) adj10 (molten<br>adj5 (metal or aluminum or<br>iron or nickel or cobalt or<br>magnesium or titanium or<br>tantalum or tungsten or<br>yttrium or niobium)) | US-<br>PGPUB;<br>USPAT;<br>USOCR;<br>EPO;<br>JPO;<br>DERWEN<br>T |

|   | Type | L # | Hits  | Search Text  | DBs  |
|---|------|-----|-------|--|--|
| 5 | BRS  | L5  | 17336 | (remove or removing or removed or removal or treat or treating or treated or treatment or eliminate or eliminating or eliminated or elimination or strip or stripping or stripped or stripper or clean or clean or cleaning or cleaned or cleanse or cleansing or cleansed or cleanser) adj10 (molten adj5 (metal or aluminum or iron or nickel or cobalt or magnesium or titanium or tantalum or tungsten or yttrium or niobium))   | US-<br>PGPUB;<br>USPAT;<br>USOCR;<br>EPO;<br>JPO;<br>DERWEN<br>T |
| 6 | BRS  | L6  | 17684 | (remove or removing or removed or removal or treat or treating or treated or treatment or eliminate or eliminating or eliminated or elimination or strip or stripping or stripped or stripper or clean or clean or cleaning or cleaned or cleanse or cleansing or cleansed or cleanser or flame-cutting or flame adj3 cutting or burning) adj10 (molten adj5 (metal or aluminum or iron or nickel or cobalt or magnesium or titanium or tantalum or tungsten or yttrium or niobium)) | US-<br>PGPUB;<br>USPAT;<br>USOCR;<br>EPO;<br>JPO;<br>DERWEN<br>T |

|    | Type | L # | Hits   | Search Text   | DBs  |
|----|------|-----|--------|---|--|
| 7  | BRS  | L7  | 404    | 11 or 12 or 13  | US-<br>PGPUB;<br>USPAT;<br>USOCR;<br>EPO;<br>JPO;<br>DERWEN<br>T |
| 8  | BRS  | L8  | 163365 | ("134"/\$ or "266"/\$ or<br>"148"/\$).ccls.   | US-<br>PGPUB;<br>USPAT;<br>USOCR;<br>EPO;<br>JPO;<br>DERWEN<br>T |
| 9  | BRS  | L9  | 2      | 16 and 17   | US-<br>PGPUB;<br>USPAT;<br>USOCR;<br>EPO;<br>JPO;<br>DERWEN<br>T |
| 10 | BRS  | L10 | 2961   | (air or pressurized adj5<br>air or argon or nitrogen or<br>methane or acetylene) same<br>16 | US-<br>PGPUB;<br>USPAT;<br>USOCR;<br>EPO;<br>JPO;<br>DERWEN<br>T |

|    | Type | L # | Hits | Search Text   | DBs  |
|----|------|-----|------|---|--|
| 11 | BRS  | L11 | 655  | 110 and 18  | US-<br>PGPUB;<br>USPAT;<br>USOCR;<br>EPO;<br>JPO;<br>DERWEN<br>T |
| 12 | BRS  | L12 | 7933 | (remove or removing or removed or removal or treat or treating or treated or treatment or eliminate or eliminating or eliminated or elimination or strip or stripping or stripped or stripper or clean or clean or cleaning or cleaned or cleanse or cleansing or cleansed or cleanser or flame-cutting or flame adj3 cutting or burning) adj10 (molten adj5 (metal or aluminum or iron or nickel or cobalt or magnesium or titanium or tantalum or tungsten or yttrium or niobium)) same (surface or object or article or substrate) | US-<br>PGPUB;<br>USPAT;<br>USOCR;<br>EPO;<br>JPO;<br>DERWEN<br>T |
| 13 | BRS  | L13 | 1780 | (air or pressurized adj5 air or argon or nitrogen or methane or acetylene) same 112   | US-<br>PGPUB;<br>USPAT;<br>USOCR;<br>EPO;<br>JPO;<br>DERWEN<br>T |

|    | Type | L # | Hits | Search Text   | DBs  |
|----|------|-----|------|---|--|
| 14 | BRS  | L14 | 425  | 113 and 18  | US-<br>PGPUB;<br>USPAT;<br>USOCR;<br>EPO;<br>JPO;<br>DERWEN<br>T |
| 15 | BRS  | L15 | 7773 | (remove or removing or<br>removed or removal or treat<br>or treating or treated or<br>treatment or eliminate or<br>eliminating or eliminated<br>or elimination or strip or<br>stripping or stripped or<br>stripper or clean or clean<br>or cleaning or cleaned or<br>cleanse or cleansing or<br>cleansed or cleanser) adj10<br>(molten adj5 (metal or<br>aluminum or iron or nickel<br>or cobalt or magnesium or<br>titanium or tantalum or<br>tungsten or yttrium or<br>niobium)) same (surface or<br>object or article or<br>substrate) | US-<br>PGPUB;<br>USPAT;<br>USOCR;<br>EPO;<br>JPO;<br>DERWEN<br>T |

|    | Type | L # | Hits  | Search Text  | DBs  |
|----|------|-----|-------|--|--|
| 16 | BRS  | L16 | 15291 | (remove or removing or removed or removal or treat or treating or treated or treatment or eliminate or eliminating or eliminated or elimination or strip or stripping or stripped or stripper or clean or clean or cleaning or cleaned or cleanse or cleansing or cleansed or cleanser) adj10 (molten adj5 (metal or aluminum or iron or nickel or cobalt or magnesium or titanium or tantalum or tungsten or yttrium or niobium)) same (surface or object or article or substrate or metal or metallic or ceramic ) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO;<br>JPO;<br>DERWEN<br>T |
| 17 | BRS  | L17 | 2708  | (air or pressurized adj5 air or argon or nitrogen or methane or acetylene) same l16  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO;<br>JPO;<br>DERWEN<br>T |
| 18 | BRS  | L18 | 615   | 117 and 18   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO;<br>JPO;<br>DERWEN<br>T |

|    | Type | L # | Hits  | Search Text  | DBs  |
|----|------|-----|-------|--|--|
| 19 | BRS  | L19 | 50914 | ("134"/\$ or "266"/48 or 266/49 or "148"/194).ccls.  | US-<br>PGPUB;<br>USPAT;<br>USOCR;<br>EPO;<br>JPO;<br>DERWEN<br>T |
| 20 | BRS  | L20 | 17692 | (remove or removing or removed or removal or treat or treating or treated or treatment or eliminate or eliminating or eliminated or elimination or strip or stripping or stripped or stripper or clean or clean or cleaning or cleaned or cleanse or cleansing or cleansed or cleanser or blowing or cutting) adj10 (molten adj5 (metal or aluminum or iron or nickel or cobalt or magnesium or titanium or tantalum or tungsten or yttrium or niobium)) same (surface or object or article or substrate or metal or metallic or ceramic ) | US-<br>PGPUB;<br>USPAT;<br>USOCR;<br>EPO;<br>JPO;<br>DERWEN<br>T |
| 21 | BRS  | L21 | 3193  | (air or pressurized adj5 air or argon or nitrogen or methane or acetylene or propane or pressur\$4 adj5 (air or oxygen)) same 120  | US-<br>PGPUB;<br>USPAT;<br>USOCR;<br>EPO;<br>JPO;<br>DERWEN<br>T |

|    | Type | L # | Hits  | Search Text  | DBs  |
|----|------|-----|-------|--|--|
| 22 | BRS  | L22 | 3193  | 120 same 121   | US-<br>PGPUB;<br>USPAT;<br>USOCR;<br>EPO;<br>JPO;<br>DERWEN<br>T |
| 23 | BRS  | L23 | 53    | 122 and 119  | US-<br>PGPUB;<br>USPAT;<br>USOCR;<br>EPO;<br>JPO;<br>DERWEN<br>T |
| 24 | BRS  | L24 | 66897 | (cutting or blow-torch\$3 or<br>blow adj4 torch\$3) adj10<br>(metal or metallic or<br>ceramic or steel or<br>aluminum) | US-<br>PGPUB;<br>USPAT;<br>USOCR;<br>EPO;<br>JPO;<br>DERWEN<br>T |



|    | Type | L # | Hits  | Search Text   | DBs  |
|----|------|-----|-------|---|--|
| 25 | BRS  | L25 | 130   | (remove or removing or removed or removal or treat or treating or treated or treatment or eliminate or eliminating or eliminated or elimination or strip or stripping or stripped or stripper or clean or clean or cleaning or cleaned or cleanse or cleansing or cleansed or cleanser) adj10 (molten adj5 (metal or aluminum or iron or nickel or cobalt or magnesium or titanium or tantalum or tungsten or yttrium or niobium)) same 124 | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO;<br>JPO;<br>DERWEN<br>T |
| 26 | BRS  | L26 | 8     | 125 and 119   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO;<br>JPO;<br>DERWEN<br>T |
| 27 | BRS  | L27 | 71075 | (cutting or blow-torch\$3 or blow adj4 torch\$3 or torch\$3) adj10 (metal or metallic or ceramic or steel or aluminum)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO;<br>JPO;<br>DERWEN<br>T |

|    | Type | L # | Hits | Search Text   | DBs  |
|----|------|-----|------|---|--|
| 28 | BRS  | L28 | 154  | (remove or removing or removed or removal or treat or treating or treated or treatment or eliminate or eliminating or eliminated or elimination or strip or stripping or stripped or stripper or clean or clean or cleaning or cleaned or cleanse or cleansing or cleansed or cleanser) adj10 (molten adj5 (metal or aluminum or iron or nickel or cobalt or magnesium or titanium or tantalum or tungsten or yttrium or niobium)) same 127 | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO;<br>JPO;<br>DERWEN<br>T |
| 29 | BRS  | L29 | 8    | 128 and 119   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO;<br>JPO;<br>DERWEN<br>T |
| 30 | BRS  | L30 | 500  | (liquid) adj10 (molten adj4 (zinc or lead or tin or antimony))  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO;<br>JPO;<br>DERWEN<br>T |

|    | Type | L # | Hits | Search Text   | DBs  |
|----|------|-----|------|---|--|
| 31 | BRS  | L31 | 18   | (remove or removing or removed or removal or treat or treating or treated or treatment or eliminate or eliminating or eliminated or elimination or strip or stripping or stripped or stripper or clean or clean or cleaning or cleaned or cleanse or cleansing or cleansed or cleanser) adj10 (molten adj5 (metal or aluminum or iron or nickel or cobalt or magnesium or titanium or tantalum or tungsten or yttrium or niobium)) same 130 | US-<br>PGPUB;<br>USPAT;<br>USOCR;<br>EPO;<br>JPO;<br>DERWEN<br>T |
| 32 | BRS  | L32 | 18   | 120 same 130  | US-<br>PGPUB;<br>USPAT;<br>USOCR;<br>EPO;<br>JPO;<br>DERWEN<br>T |

|    | Type | L # | Hits | Search Text  | DBs  |
|----|------|-----|------|--|--|
| 33 | BRS  | L33 | 68   | (remove or removing or removed or removal or treat or treating or treated or treatment or eliminate or eliminating or eliminated or elimination or strip or stripping or stripped or stripper or clean or clean or cleaning or cleaned or cleanse or cleansing or cleansed or cleanser) adj10 (molten adj5 (metal or aluminum or iron or nickel or cobalt or magnesium or titanium or tantalum or tungsten or yttrium or niobium)) and 130 | US-<br>PGPUB;<br>USPAT;<br>USOCR;<br>EPO;<br>JPO;<br>DERWEN<br>T |
| 34 | BRS  | L34 | 68   | 133 and 130  | US-<br>PGPUB;<br>USPAT;<br>USOCR;<br>EPO;<br>JPO;<br>DERWEN<br>T |
| 35 | BRS  | L35 | 3    | 133 and 127  | US-<br>PGPUB;<br>USPAT;<br>USOCR;<br>EPO;<br>JPO;<br>DERWEN<br>T |

|    | Type | L # | Hits  | Search Text   | DBs  |
|----|------|-----|-------|---|--|
| 36 | BRS  | L36 | 2     | 133 and 119   | US-<br>PGPUB;<br>USPAT;<br>USOCR;<br>EPO;<br>JPO;<br>DERWEN<br>T |
| 37 | BRS  | L37 | 20827 | (remove or removing or<br>removed or removal or treat<br>or treating or treated or<br>treatment or eliminate or<br>eliminating or eliminated<br>or elimination or strip or<br>stripping or stripped or<br>stripper or clean or clean<br>or cleaning or cleaned or<br>cleanse or cleansing or<br>cleansed or cleanser or<br>blowing or cutting or<br>torch\$3 or blow-torch\$3)<br>adj10 (molten adj5 (metal<br>or aluminum or iron or<br>nickel or cobalt or<br>magnesium or titanium or<br>tantalum or tungsten or<br>yttrium or niobium)) | US-<br>PGPUB;<br>USPAT;<br>USOCR;<br>EPO;<br>JPO;<br>DERWEN<br>T |
| 38 | BRS  | L38 | 34036 | ((molten or moltened or<br>liquid) adj4 (zinc or lead<br>or tin or antimony or "Zn"<br>or "Pb" or "Sn" or "Sb"))  | US-<br>PGPUB;<br>USPAT;<br>USOCR;<br>EPO;<br>JPO;<br>DERWEN<br>T |

|    | Type | L # | Hits  | Search Text  | DBs  |
|----|------|-----|-------|--|--|
| 39 | BRS  | L39 | 927   | 137 same 138   | US-<br>PGPUB;<br>USPAT;<br>USOCR;<br>EPO;<br>JPO;<br>DERWEN<br>T |
| 40 | BRS  | L40 | 17    | 139 and 119  | US-<br>PGPUB;<br>USPAT;<br>USOCR;<br>EPO;<br>JPO;<br>DERWEN<br>T |
| 41 | BRS  | L41 | 20402 | (remove or removing or removed or removal or treat or treating or treated or treatment or eliminate or eliminating or eliminated or elimination or strip or stripping or stripped or stripper or clean or clean or cleaning or cleaned or cleanse or cleansing or cleansed or cleanser or blowing or cutting) adj10 (molten adj5 (metal or aluminum or iron or nickel or cobalt or magnesium or titanium or tantalum or tungsten or yttrium or niobium)) | US-<br>PGPUB;<br>USPAT;<br>USOCR;<br>EPO;<br>JPO;<br>DERWEN<br>T |

|    | Type | L # | Hits        | Search Text  | DBs  |
|----|------|-----|-------------|--|--|
| 42 | BRS  | L42 | 21585       | (remove or removing or removed or removal or treat or treating or treated or treatment or eliminate or eliminating or eliminated or elimination or strip or stripping or stripped or stripper or clean or clean or cleaning or cleaned or cleanse or cleansing or cleansed or cleanser or blowing or cutting or blast or blasting or blasted) adj10 (molten adj5 (metal or aluminum or iron or nickel or cobalt or magnesium or titanium or tantalum or tungsten or yttrium or niobium)) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO;<br>JPO;<br>DERWEN<br>T |
| 43 | BRS  | L43 | 194786<br>0 | (boron adj3 nitride or barite or cryolite or fluorite or aluminum adj3 titanate or barium adj4 carbonate or wollastonite or calcium adj3 silicate or alkali adj3 chloride or sodium adj3 chloride or potassium adj3 chloride or flour or talc or graphite or coal or coke or carbon or black adj3 lead or plumbago)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO;<br>JPO;<br>DERWEN<br>T |
| 44 | BRS  | L44 | 3903        | 142 same 143   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO;<br>JPO;<br>DERWEN<br>T |

|    | Type | L # | Hits   | Search Text  | DBs  |
|----|------|-----|--------|--|--|
| 45 | BRS  | L45 | 44     | 144 and 119  | US-<br>PGPUB;<br>USPAT;<br>USOCR;<br>EPO;<br>JPO;<br>DERWEN<br>T |
| 46 | BRS  | L46 | 453691 | (ceramic or fused adj3<br>silica or silica or mullite<br>or titania or "TiO2" or<br>"TiO.sub.2" or titanium<br>adj5 carbide or "TiC" or<br>zirconia or "ZrO2" or<br>"ZrO.sub.2" or zirconium<br>adj5 carbide or "ZrC" or<br>zirconium adj3 nitride or<br>"ZrN" or silicon adj4<br>nitride or "Si3N4" or<br>"Si.sub.3N.sub.4" or<br>silicon adj4 carbide or<br>"SiC" or magnesium adj3<br>oxide or "MgO" or titanium<br>adj4 carbide or "TiC" or<br>aluminum adj3 nitride or<br>"AlN" or aluminum adj3<br>oxide or "Al2O3" or<br>"Al.sub.2O.sub.3" or<br>titanium adj3 diboride or<br>"TiB2" or "TiB.sub.2" or<br>sulfide) adj5 (metal or<br>metallic or aluminum or<br>iron or nickel or cobalt or<br>magnesium or titanium or<br>tantalum or tungsten or<br>yttrium or niobium) | US-<br>PGPUB;<br>USPAT;<br>USOCR;<br>EPO;<br>JPO;<br>DERWEN<br>T |



|    | Type | L # | Hits   | Search Text        | DBs  |
|----|------|-----|--------|--------------------|--|
| 47 | BRS  | L47 | 34797  | 146 same composite | US-<br>PGPUB;<br>USPAT;<br>USOCR;<br>EPO;<br>JPO;<br>DERWEN<br>T |
| 48 | BRS  | L49 | 163365 | 148and 18          | US-<br>PGPUB;<br>USPAT;<br>USOCR;<br>EPO;<br>JPO;<br>DERWEN<br>T |
| 49 | BRS  | L50 | 11     | 148 and 18         | US-<br>PGPUB;<br>USPAT;<br>USOCR;<br>EPO;<br>JPO;<br>DERWEN<br>T |
| 50 | BRS  | L48 | 112    | 142 same 147       | US-<br>PGPUB;<br>USPAT;<br>USOCR;<br>EPO;<br>JPO;<br>DERWEN<br>T |

|    | Type | L # | Hits  | Search Text  | DBs  |
|----|------|-----|-------|--|--|
| 51 | BRS  | L51 | 54    | 148 and (124 or 138 or 121)  | US-<br>PGPUB;<br>USPAT;<br>USOCR;<br>EPO;<br>JPO;<br>DERWEN<br>T |
| 52 | BRS  | L52 | 71836 | (ceramic or fused adj3<br>silica or silica or mullite<br>or titania or "TiO2" or<br>"TiO.sub.2" or titanium<br>adj5 carbide or "TiC" or<br>zirconia or "ZrO2" or<br>"ZrO.sub.2" or zirconium<br>adj5 carbide or "ZrC" or<br>zirconium adj3 nitride or<br>"ZrN" or silicon adj4<br>nitride or "Si3N4" or<br>"Si.sub.3N.sub.4" or<br>silicon adj4 carbide or<br>"SiC" or magnesium adj3<br>oxide or "MgO" or titanium<br>adj4 carbide or "TiC" or<br>aluminum adj3 nitride or<br>"AlN" or aluminum adj3<br>oxide or "Al2O3" or<br>"Al.sub.2O.sub.3" or<br>titanium adj3 diboride or<br>"TiB2" or "TiB.sub.2" or<br>sulfide) adj5 (metal or<br>metallic or aluminum or<br>iron or nickel or cobalt or<br>magnesium or titanium or<br>tantalum or tungsten or<br>yttrium or niobium) same<br>(clean or cleaning or<br>cleaned or cleaner or<br>cleanse or cleansing or<br>cleansed or cleanser or<br>treat or treating or<br>treated or treatment) | US-<br>PGPUB;<br>USPAT;<br>USOCR;<br>EPO;<br>JPO;<br>DERWEN<br>T |

|    | Type | L # | Hits        | Search Text  | DBs  |
|----|------|-----|-------------|--|--|
| 53 | BRS  | L53 | 17439       | (remove or removing or removed or removal or treat or treating or treated or treatment or eliminate or eliminating or eliminated or elimination or strip or stripping or stripped or stripper or clean or clean or cleaning or cleaned or cleanse or cleansing or cleansed or cleanser or loosen or loosening or loosened or peel or peeling or peeled) adj10 (molten adj5 (metal or aluminum or iron or nickel or cobalt or magnesium or titanium or tantalum or tungsten or yttrium or niobium)) | US-<br>PGPUB;<br>USPAT;<br>USOCR;<br>EPO;<br>JPO;<br>DERWEN<br>T |
| 54 | BRS  | L54 | 500         | 152 same 153   | US-<br>PGPUB;<br>USPAT;<br>USOCR;<br>EPO;<br>JPO;<br>DERWEN<br>T |
| 55 | BRS  | L55 | 392982<br>3 | (air or pressurized adj5 air or argon or nitrogen or methane or acetylene or propane or pressur\$4 adj5 (air or oxygen))   | US-<br>PGPUB;<br>USPAT;<br>USOCR;<br>EPO;<br>JPO;<br>DERWEN<br>T |

|    | Type | L # | Hits | Search Text                 | DBs  |
|----|------|-----|------|-----------------------------|--|
| 56 | BRS  | L56 | 422  | 154 and (138 or 143 or 155) | US-<br>PGPUB;<br>USPAT;<br>USOCR;<br>EPO;<br>JPO;<br>DERWEN<br>T |
| 57 | BRS  | L57 | 88   | 156 and 18                  | US-<br>PGPUB;<br>USPAT;<br>USOCR;<br>EPO;<br>JPO;<br>DERWEN<br>T |
| 58 | BRS  | L58 | 8    | 156 and 119                 | US-<br>PGPUB;<br>USPAT;<br>USOCR;<br>EPO;<br>JPO;<br>DERWEN<br>T |